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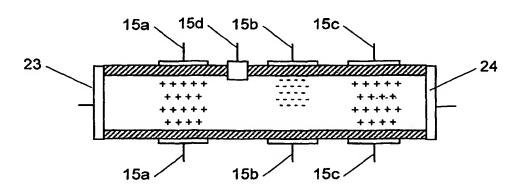
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(54) Title: LIQUID BASED ELECTRONIC DEVICE



(57) Abstract: An electronic device, comprising: at least one channel with a fluid fillable channel interior and an electrically insulating wall surrounding at least partially the channel interior, which channel interior, in use, contains charge carriers, which electronic device further comprises: at lesat one control electrode, which electrode is electrically isolated from the channel interior and in capacitive contact with the channel interior. Furthermore, methods for use of such an electronic device, for example mixing or separating fluids.

